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PATENT  
Customer No. 22,852  
Attorney Docket No. 07812.0056-00

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Howard Goodman et al.	)	Group Art Unit: 1714
	)	
Application No.: 10/508,830	)	Examiner: Not yet assigned
	)	
Filed: September 23, 2004	)	
	)	
For: FLAME RETARDANT POLYMER	)	Confirmation No. 3789
COMPOSITIONS COMPRISING A	)	
PARTICULATE CLAY MINERAL	)	

Commissioner for Patents  
Washington, DC 20231  
Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. To the undersigned knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.  
Copies of the U.S. patent publications are not enclosed.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached list.

The following is a statement regarding the non-English language documents:

1. EP 0 001 066 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /VR/

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Application No.: 10/508,830  
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2. EP 0 132 228 - This document is believed to be a foreign language counterpart to U.S. Patent No. 4,546,126, submitted herewith.
3. EP 0 160 777 - This document is believed to be a foreign language counterpart to U.S. Patent No. 4,584,333, submitted herewith.
4. EP 0 222 138 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
5. EP 0 222 298 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
6. EP 0 588 239 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
7. EP 0 589 461 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
8. FR 2 150 953 - This document is believed to be a foreign language counterpart to U.S. Patent Nos. 4,176,148 and 4,359,497, submitted herewith.
9. FR 2 273 040 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
10. FR 2 359 874 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
11. FR 2 389 645 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.
12. FR 2 452 511 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

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13. FR 2 558 168 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

14. FR 2 774 689 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

15. DE 22 41 577 - This document is believed to be a foreign language counterpart to U.S. Patent Nos. 4,176,148 and 4,359,497, submitted herewith.

16. DE 24 49 656 - This document is believed to be a foreign language counterpart to U.S. Patent No. 4,251,576, submitted herewith.

17. DE 26 58 814 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

18. DE 27 39 620 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

19. DE 28 18 954 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

20. DE 30 12 235 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

21. DE 30 47 269 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

22. DE 35 36 371 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

23. DE 35 40 524 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

24. DE 36 32 606 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

25. DE 37 50 864 - An abstract of the disclosure of this document is believed to be found in EP 0 262 649, submitted herewith.

26. DE 38 84 605 - An abstract of the disclosure of this document is believed to be found in WO 88/05804, submitted herewith.

27. DE 42 13 746 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

28. DE 43 01 730 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

29. DE 100 10 941 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

30. JP 02-018362 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

31. JP 02-034653 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

32. JP 02-045551 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

33. JP 04-122752 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

34. JP 05-262974 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

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35. JP 06-016918 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

36. JP 06-065490 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

37. JP 06-145442 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

38. JP 06-502684 - This document is believed to be a foreign language counterpart to U.S. Patent No. 5,294,654, submitted herewith.

39. JP 07-502068 - This document is believed to be a foreign language counterpart to U.S. Patent No. 6,031,036, submitted herewith.

40. JP 08-022945 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

41. JP 10-114854 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

42. JP 51-005383 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

43. JP 53-016063 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

44. JP 54-010394 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

45. JP 54-047751 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

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46. JP 55-131024 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

47. JP 59-074152 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

48. JP 60-023448 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

49. JP 60-038455 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

50. JP 60-084364 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

51. JP 60-161443 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

52. JP 60-235858 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

53. JP 62-232452 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

54. JP 62-116667 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

55. JP 63-132964 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

56. JP 63-175047 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

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57. JP 2000-345032 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

58. JP 2001-098149 - An abstract of the disclosure of this document can be found in the English language Abstract, submitted herewith.

59. WO 99/41309 - An English language abstract of this foreign language document can be found on the title page of this document.

60. WO 01/66635 - An English language abstract of this foreign language document can be found on the title page of this document.

Additionally, Applicants would like to bring to the Examiner's attention the following co-pending applications, which the Examiner might consider to relate to similar subject matter:

1. **Title:** Kaolin Pigment Products  
**By:** David O. Cummings et al.  
**Filed:** July 18, 2002  
**Application No.:** 10/077,936 (now abandoned)  
**Attorney Docket No.:** 07810.0095-00
2. **Title:** Kaolin Pigment Products  
**By:** David O. Cummings et al.  
**Filed:** February 26, 2002  
**Application No.:** 10/082,232  
**Attorney Docket No.:** 07810.0095-01
3. **Title:** Hyperplaty Clays and Their Use in Paper Coating and Filling, Methods for Making Same, and Paper Products Having Improved Brightness  
**By:** J. Philip E. Jones et al.  
**Filed:** March 23, 2005  
**Application No.:** 11/086,575  
**Attorney Docket No.:** 07810.0107-01

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Attorney Docket No. 07812.0056-00

4. **Title:** Hyperplaty Clays and Their Use in Paper Coating and Filling, Methods for Making Same, and Paper Products Having Improved Brightness  
**By:** J. Philip E. Jones et al.  
**Filed:** March 23, 2005  
**Application No.:** 11/086,563  
**Attorney Docket No.:** 07810.0107-02
5. **Title:** Hyperplaty Clays and Their Use in Paper Coating and Filling, Methods for Making Same, and Paper Products Having Improved Brightness  
**By:** J. Philip E. Jones et al.  
**Filed:** April 19, 2005  
**Application No.:** 11/108,878  
**Attorney Docket No.:** 07810.0107-03
6. **Title:** Kaolin Clay Pigments Suited to Rotogravure Printing Applications and Method For Preparing the Same  
**By:** Christopher R. L. Golley et al.  
**Filed:** July 27, 2004  
**Application No.:** 10/899,315  
**Attorney Docket No.:** 07810.0113-01
7. **Title:** Kaolin Clay Pigments Suited to Rotogravure Printing Applications and Method of Preparing the Same  
**By:** Christopher R. L. Golley et al.  
**Filed:** December 27, 2002  
**Application No.:** 10/312,448  
**Attorney Docket No.:** 07810.0114-00
8. **Title:** Kaolin Products and Their Production  
**By:** Jones et al.  
**Filed:** February 14, 2003  
**Application No.:** 10/344,676  
**Attorney Docket No.:** 07812.0051-00

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine



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that the cited documents do not constitute "prior art" under United States law,  
Applicants reserve the right to present to the Patent Office the relevant facts and law  
regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the  
patentability of the disclosed invention over the listed documents, should one or more of  
the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please  
charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

*/Louis Troilo/*

Dated: March 17, 2006

By: \_\_\_\_\_  
Louis M. Troilo  
Reg. No. 45,284

IDS Form PTO/SB/08: Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/508,830
		Filing Date	September 23, 2004
		First Named Inventor	Howard GOODMAN
		Art Unit	
		Examiner Name	
Sheet 1 of 7	Attorney Docket Number	07812.0056-00	

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-2,158,987	5/1939	Maloney	
		US-3,034,859	5/1962	Gunn et al.	
		US-3,171,718	3/1965	Gunn et al.	
		US-3,526,768	9/1970	Rai et al.	
		US-3,615,806	10/1971	Torock et al.	
		US-3,635,662	1/1972	Lyons	
		US-3,798,044	3/1974	Whitley et al.	
		US-4,234,469	11/1980	Ohta et al.	
		US-4,125,411	11/1978	Lyons	
		US-4,176,148	11/1979	Magder et al.	
		US-4,183,991	1/1980	Smiley et al.	
		US-4,198,333	4/1980	von Bonin et al.	
		US-4,221,697	9/1980	Osborn et al.	
		US-4,225,496	9/1980	Columbus et al.	
		US-4,227,920	10/1980	Chapman et al.	
		US-4,233,199	11/1980	Abolins et al.	
		US-4,234,469	11/1980	Ohta et al.	
		US-4,241,142	12/1980	Kaliski et al.	
		US-4,243,574	1/1981	Manwiller	
		US-4,250,077	2/1981	van Bonin et al.	
		US-4,251,765	2/1981	Osborn et al.	
		US-4,298,711	11/1981	Moulson et al.	
		US-4,311,635	1/1982	Pearson	
		US-4,359,497	11/1982	Madger et al.	
		US-4,381,948	5/1983	McConnell et al.	
		US-4,409,344	10/1983	Moulson et al.	
		US-4,414,352	11/1983	Cohen et al.	
		US-4,427,450	1/1984	Kostansek	
		US-4,467,057	8/1984	Dieck et al.	
		US-4,543,287	9/1985	Briggs et al.	
		US-4,546,126	10/1985	Breitenfellner et al.	
		US-4,582,866	4/1986	Shain	
		US-4,584,333	4/1986	Prigent et al.	
		US-4,708,975	11/1987	Shain	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /VR/

IDS Form PTO/SB/08: Substitute for form 1449A/PTO		<b>Complete if Known</b>	
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		First Named Inventor	Howard GOODMAN
		Art Unit	
		Examiner Name	
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U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
		US-4,795,776	1/1989	Milner	
		US-4,820,761	4/1989	Saito et al.	
		US-4,873,116	10/1989	Ancker	
		US-4,888,315	12/1989	Bowman et al.	
		US-4,918,127	4,1990	Adur et al.	
		US-4,943,324	7/1990	Bundy et al.	
		US-4,966,638	10/1990	Mudgett	
		US-4,981,521	1/1991	Bettacchi et al.	
		US-5,085,707	2/1992	Bundy et al.	
		US-5,112,782	5/1992	Brown et al.	
		US-5,128,606	7/1992	Gate et al.	
		US-5,167,707	12/1992	Freeman et al.	
		US-5,168,083	12/1992	Matthews et al.	
		US-5,169,443	12/1992	Willis et al.	
		US-5,294,654	3/1994	Hellstern-Burnell et al.	
		US-5,332,493	7/1994	Ginn et al.	
		US-5,364,869	11/1994	Watanabe et al.	
		US-5,411,587	5/1995	Willis et al.	
		US-5,416,151	5/1995	Tanaka	
		US-5,439,558	8/1995	Bergmann et al.	
		US-5,516,829-	5/1996	Davis et al.	
		US-5,522,924	6/1996	Smith et al.	
		US-5,454,895	10/1995	Ginn et al.	
		US-5,573,946	11/1996	Haxell et al.	
		US-5,578,659	11/1996	Anada et al.	
		US-5,624,488	4/1997	Forbus et al.	
		US-5,656,635	7/1997	Behi et al.	
		US-5,685,900	11/1997	Yuan et al.	
		US-5,707,912	1/1998	Lowe et al.	
		US-5,735,946	4/1998	Bloodworth et al.	
		US-5,749,958	5/1998	Behi et al.	
		US-5,810,998	9/1998	Arrington-Webb et al.	
		US-5,846,309	12/1998	Freeman et al.	
		US-5,879,512	3/1999	McGenity et al.	
		US-5,948,156	9/1999	Coutelle et al.	
		US-6,031,036	2/2000	Rosenquist et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /VR/

IDS Form PTO/SB/08: Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/508,830	
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			Art Unit		
			Examiner Name		
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U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
		US-6,149,723	11/2000	Pruett et al.	
		US-6,186,335	2/2001	Arrington-Webb et al.	
		US-6,262,161	7/2001	Betso et al.	
		US-6,312,511	11/6/2001	Billimoria et al.	
		US-6,402,826	6/2002	Yuan et al.	
		US-6,537,363	3/25/2003	Golley et al.	
		US-6,554,892	4/29/2003	Manasso et al.	
		US-6,564,199	5/13/2003	Pruett et al.	
		US-6,610,137	8/26/2003	Golley et al.	
		US-6,616,749	9/9/2003	Husband et al.	
		US-6,758,895	7/6/2004	Robin Wesley	
		US-6,808,559	12/26/2004	Golley et al.	
		US-6,814,796	11/9/2004	Husband et al.	
		US-6,864,110	03/2005	Summers et al.	
		US-RE 37,385E	9/2001	Okada et al.	
		US-6,564,199	5/2003	Pruett et al.	
		US-6,537,363	3/2003	Golley et al.	
		US-6,554,892	4/2003	Manasso et al.	
		US-6,610,137	8/2003	Golley et al.	
		US-6,616,749	9/2003	Husband et al.	
		US-6,814,796	11/2004	Husband et al.	
		US-6,758,895	7/2004	Wesley	
		US-6,808,559	10/2004	Golley et al.	
		US-2004-0250973-a1 Appln. No. 10/344,676	12/16/2004 02/14/2003	Johns et al.	

**Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.**

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP-0 001 066	4/1980	Vehlewald et al.		Abstract
		EP-0 026 075	4/1981	Brociner		
		EP-0 054 424	6/1982	Bartholomeus		
		EP-1 088 852	4/2001	Tutomu et al.		
		EP-0 132 094	1/1985	Saito et al.		
		<del>EP-0 132 228</del>	<del>1/1985</del>	<del>Breitenfeller et al.</del>		<del>No</del>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /VR/

IDS Form PTO/SB/08: Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/508,830	
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			Art Unit		
Examiner Name					
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	<del>EP-0 160 777</del>	<del>11/1985</del>	<del>Prigent et al.</del>		<del>No</del>
	EP-0 163 427	12/1985	Shain		
	EP-0 217 626	4/1987	Arenz		
	EP-0 222 138	5/1987	Heitmann		Abstract
	EP-0 222 298	5/1987	Von Bonin		Abstract
	EP-0 239 986	10/1987	Shain		
	EP-0 245 553	11/1987	Siepetys et al.		
	EP-0 262 649	4/1988	Ancker		
	EP-0 274 888	7/1988	Adur et al.		
	EP-0 341 981	11/1989	Bettachi et al.		
	EP-0 352 714	1/1990	Torisu		
	EP-0 456 363	11/1991	Matthews et al.		
	EP-0 475 434	3/1992	Tanaka		
	EP-0 524 635	1/1993	Idei et al.		
	EP-0 528 078	2/1993	Gate et al.		
	EP-0 586 904	3/1994	Davis et al.		
	EP-0 588 239	3/1994	Arnold et al.		
	EP-0 589 461	3/1994	Munih et al.		Abstract
	EP-0 596 442	5/1994	Masao et al.		
	EP-0 691 375	1/1996	Anada et al.		
	EP-0 824 130	2/1998	Tjahjadi et al.		
	EP-1 088 852	4/2001	Tutomu et al.		
	<del>FR-2 150 053</del>	<del>4/1973</del>	<del>Princeton Chem. Res., Inc.</del>		<del>No</del>
	FR-2 273 040	12/1975	Imp. Chem. Ind. Ltd.		Abstract
	<del>FR-2 350 645</del>	<del>2/1978</del>	<del>Hoff et al.</del>		<del>Abstract</del>
	FR-2 359 874	2/1978	Ohta et al.		Abstract
	FR-2 389 645	12/1978	Smiley et al.		Abstract
	FR-2 452 511	10/1980	Manwiller		Abstract
	FR-2 558 168	7/1985	Cottevielle et al.		Abstract
	FR-2 774 689	8/1999	Galli et al.		Abstract
	<del>DE-2 244 577</del>	<del>3/1973</del>	<del>Medger et al.</del>		<del>No</del>
	<del>DE-24 40 650</del>	<del>12/1975</del>	<del>Osborn et al.</del>		<del>No</del>
	DE-26 58 814	1/1978	Ohta et al.		Abstract
	DE-27 39 620	3/1979	Vehlewald et al.		Abstract
	DE-28 18 954	11/1978	Smiley et al.		Abstract
	DE-30 12 235	10/1980	Manwiller		Abstract

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			Art Unit		
			Examiner Name		
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FOREIGN PATENT DOCUMENTS					
	DE-30 47 269	7/1982	Mayer et al.		Abstract
	DE 34 66 547				Abstract
	DE-35 36 371	5/1987	Heitmann		Abstract
	DE-35 40 524	5/1987	Von Bonin		Abstract
	DE 35 65 272				Abstract
	DE-36 32 606	4/1987	DSG Schrumpfschlauch GmbH		Abstract
	<del>DE 36 70 117</del>				<del>Abstract</del>
	<del>DE 36 89 768</del>				<del>Abstract</del>
	<del>DE 37 50 064</del>	<del>4/1988</del>	<del>Anker</del>		<del>No</del>
	<del>DE 38 84 606</del>	<del>8/1989</del>	<del>Miller</del>		<del>No</del>
	DE-42 13 746	10/1993	Bergmann et al.		Abstract
	DE-43 01 730	7/1993	Watanabe et al.		Abstract
	DE-100 10 941	9/2001	Eckel et al.		Abstract
	GB-1,032,536	6/1966	Clark et al.		
	GB-1,118,723	7/1968	Dunning		
	GB-1,375,057	11/1974	Princeton Chem. Res., Inc.		
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				Application Number	10/508,830
				Filing Date	September 23, 2004
				First Named Inventor	Howard GOODMAN
				Art Unit	
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Examiner Signature	/Vickey Ronesi/	Date Considered	06/12/2008
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